

## ABSTRACT

This invention relates to a device for the simultaneous qualitative or quantitative determination of several analytes in a liquid sample, comprising a membrane (2) with a charging zone (5), for the application of the liquid sample, at least two indicator zones which can interact with the analyte(s) and at least one absorption region (3), which accepts the fluid after passing through the indicator zones, whereby the indicator zones lie between the charging zone (5) and an absorption region (3), characterized in that the flow directions (flow tracks) are essentially parallel from the application zone (5) through each indicator zone to an absorption region (3) and at least two different flow tracks are present. The invention further relates to a method for the determination of several analytes or derivatives thereof in a liquid sample, comprising: application of the sample to the charging zone (5) of a membrane of the device as given in claims 1 to 8, whereby said sample is present in sufficient amounts to permit the sample fluid to flow in the direction of the absorption region (3) through the indicator zones and to permit the analytes or derivatives thereof in the liquid sample to form a complex in the indicator zone.